What is claimed is:

1. A decanter mooring system comprising:

a) a decanter having a discharge orifice, said decanter disposed within a reactor containing a liquid, said decanter adapted to move vertically in relation to the surface of said liquid;

b) a discharge conduit connected to said discharge orifice in moveable relationship with said decanter; and

c) a stabilizing arm having a first end moveably connected to said reactor and a second end connected to a component selected from the group consisting of said decanter, said discharge conduit, and both said decanter and said discharge conduit, in a manner to limit the lateral movement of said decanter in said reactor.

2. The system of claim 1 wherein said discharge conduit is a substantially rigid, hollow member having at least one hinged section.

3. The system of claim 1 wherein said discharge conduit is a substantially rigid, hollow member having a first hinged section proximate a sidewall of said reactor and a second hinged section proximate said decanter.

4. The system, of claim 1 wherein said discharge conduit is a flexible member.

5. The system of claim 1 wherein the second end of the stabilizing arm is moveably connected to the discharge conduit.

6. The system of claim 1 wherein the second end of the stabilizing arm is fixedly connected to the discharge conduit.

7. The system of claim 1 wherein the second end of the stabilizing arm is moveably connected to the decanter.

8. The system of claim 1 wherein the second end of the stabilizing arm is fixedly connected to the decanter.

9. The system of claim 1 which includes a plurality of stabilizer arms.

10. The system of claim 9 wherein a first stabilizer arm has its second end connected to the decanter, and a second stabilizer arm has its second end connected to the discharge conduit.

11. A decanter mooring system comprising:

a) a decanter having a discharge orifice, said decanter disposed within the reactor containing a liquid, said decanter adapted to move vertically in relation to the surface of said liquid;

b) a discharge conduit connected to said discharge orifice, said discharge conduit having a first hinged section proximate s sidewall of said reactor and a second hinged section proximate said decanter in a manner such that said discharge conduit is in moveable relationship with said decanter; and

c) a stabilizing arm having a first end moveably connected to said reactor and a second end connected to said discharge conduit, in a manner to limit the lateral movement of said decanter in said reactor.

12. The system of claim 11 wherein said second end of said stabilizing arm is moveably connected to said discharge conduit.

13. The system of claim 11 wherein said second end of said stabilizing arm is fixedly connected to said discharge conduit.

14. The system of claim 11 which includes a plurality of stabilizer arms.

15. The system of claim 14 wherein a first stabilizer arm has its second end connected to the decanter, and a second stabilizer arm has its second end connected to the discharge conduit.

16. A method of mooring a decanter in a reactor, the method comprising the steps of:

a) selecting a stabilizing arm, the stabilizing arm having first and second ends;

b) attaching the first end of the stabilizer bar to a reactor sidewall employing a sidewall attachment, and the second end of the stabilizing arm to a component selected from the group consisting of the decanter using a decanter connection, the discharge conduit using a discharge conduit connection, and both the decanter and the discharge conduit.

17. The method of claim 16 wherein the stabilizing arm is connected only to the decanter.

18. The method of claim 16 wherein the stabilizing arm is connected only to the discharge conduit.

19. The method of claim 16 wherein the stabilizing arm comprises first and second stabilizing arms.

20. The method of claim 19 wherein the first stabilizing arm is connected only to the decanter, and the second stabilizing arm is connected only to the discharge conduit.